

Appendix F

Seasonal Ice Movement

The information in Appendix F was developed by Dr. R. Colony and Dr. A. Thorndike of the Polar Science Center, University of Washington, Seattle, Washington.

The maps (Figs. F-1 through F-4) on the following pages show mean sea ice movement in the Arctic Ocean and through the Fram and Bering Straits. The movement is summarized for four 3-month periods; February–April, May–July, August–October, and November–January. The maps were derived using navigational data from drifting sea ice buoys for a 10-year period from 1979 to 1989. The vectors show both direction and speed; the speed scale is noted in the upper left-hand corner of each map.

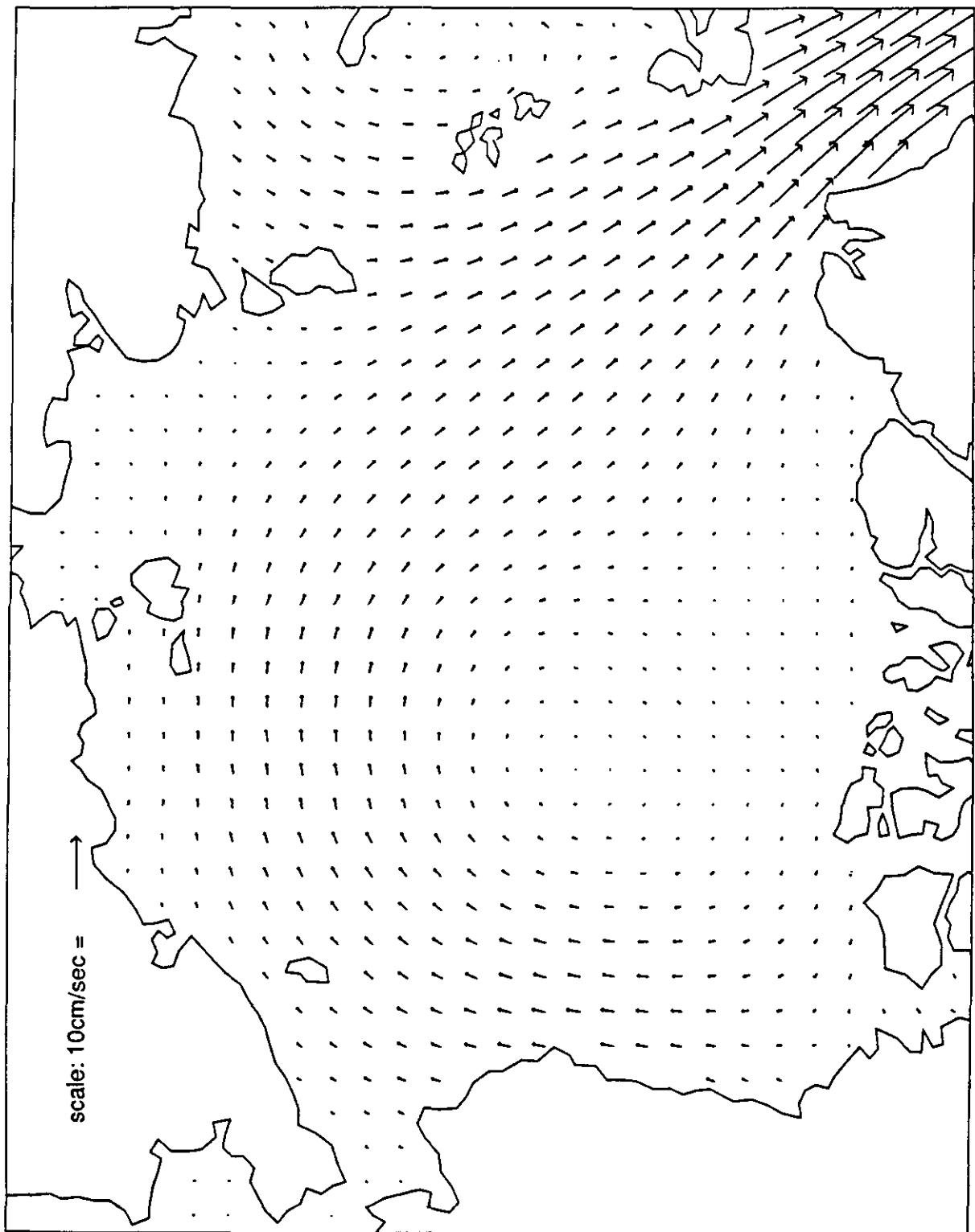


Figure F-1. Arctic Basin—February, March, April.

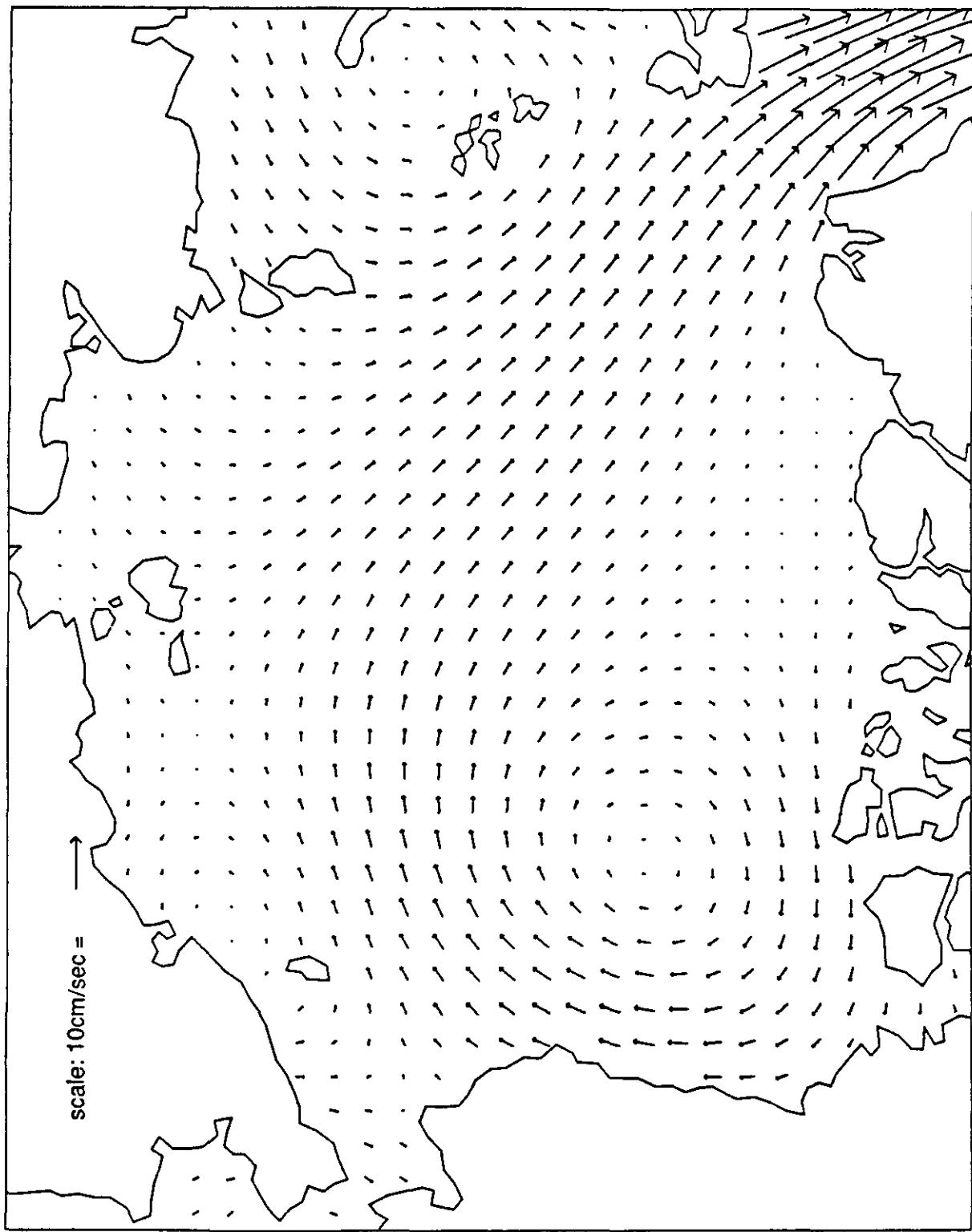


Figure F-2. Arctic Basin—May, June, July.

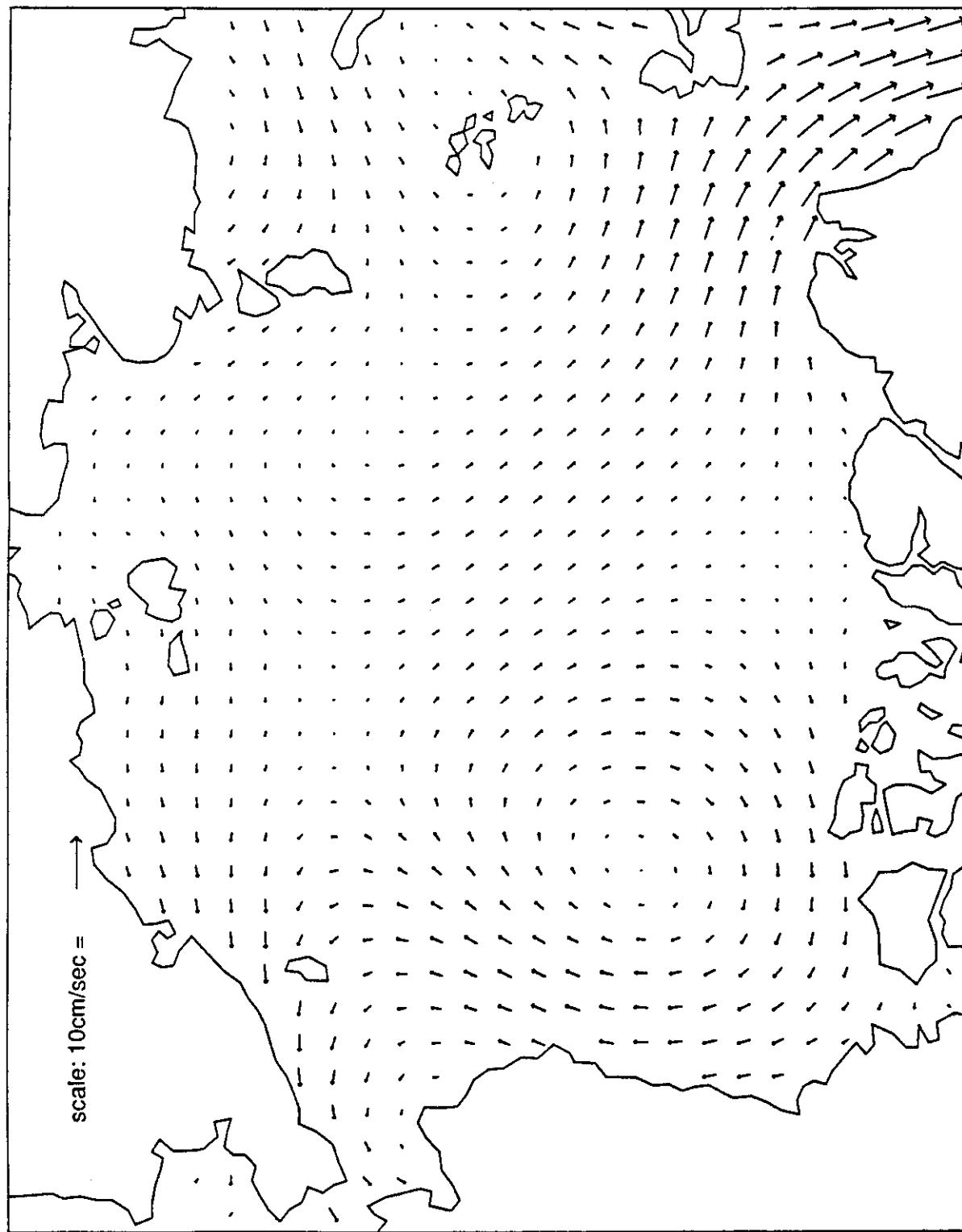


Figure F-3. Arctic Basin—August, September, October.

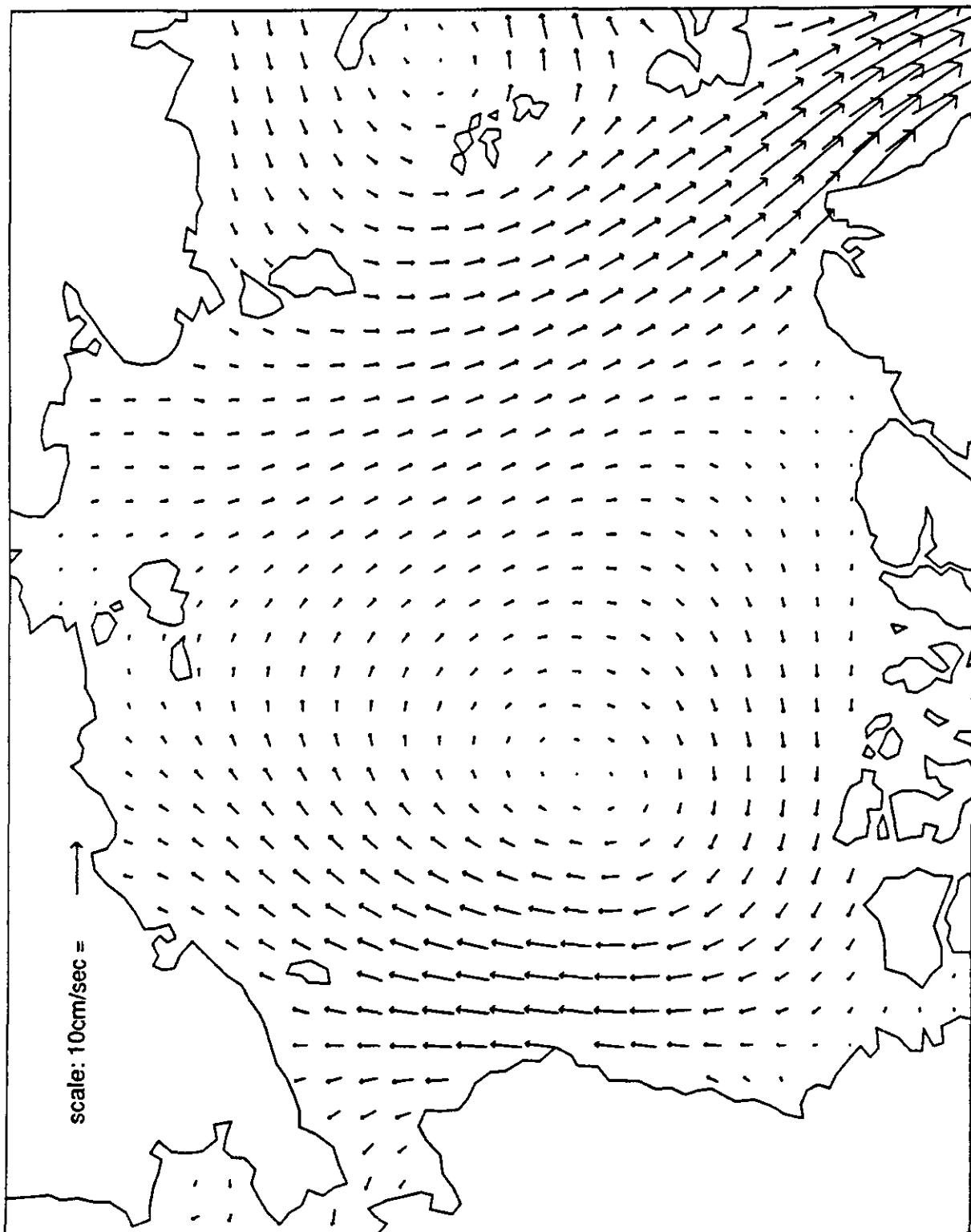


Figure F-4. Arctic Basin—November, December, January.